

Claims

1. A running toy having a plurality of front wheels for steering and a plurality of rear wheels connected to a running gear, a trailing arm comprising:

a first end portion which is pivotally supported on an upper portion of a supporting wall set up on a vehicle body of a running system at one end thereof;

a first hole portion, which is provided in a central portion of a trailing arm, for allowing a protruded hollow cylinder portion to pass through, and the protruded hollow cylinder portion provided on said vehicle body with a predetermined space from the supporting wall,

a spring portion which is set and applied between a screw portion provided on the top of the hollow cylinder portion and an end portion of the first hole portion; and

a second hole portion which opens in a horizontal direction to the other end portion,

wherein said trailing arm allows an axle of the rear wheels to be passed through this second hole portion and said spring to absorb a shock transmitted from the axle of the rear wheels.

2. The running toy according to claim 1,

wherein in one end portion of the trailing arm, a bushing which is projected in a horizontal direction, on

top of that, vertically and cylindrically to a traveling direction is formed, inserted into a U-shaped groove portion provided on upper portions of two supporting walls provided on the vehicle body, and pivotally supported.

3. The running toy according to any one of claims 1 to 2,

wherein the trailing arm is provided with the hole portion passing through in a vertical longitudinal direction in the middle thereof, the hole portion having the approximately same diameter as that of the hollow cylinder in a lower portion, and, in an upper portion, a larger diameter than that of the lower portion, and

wherein the lower portion opens and covers a vehicle body, whereas the upper portion opens in the other side of the vehicle body, and a stepped portion is provided therebetween.

4. The running toy according to any one of claims 1 to 3,

wherein the spring is set between the stepped portion of the first hole portion and applying force of the spring is adjusted depending on how to tighten the screw to be fixed.

5. The running toy according to any one of claims 1 to

4,

wherein the trailing arms are disposed at both ends of a rear portion of the vehicle body, and a gearbox to change gears of the running gear is disposed between both the trailing arms.

6. The running toy according to any one of claims 1 to 5,

wherein the trailing arm is rotationally held between an axle cover extending from the gearbox, and the gearbox.

7. A running toy suspension system having a plurality of front wheels for steering and a plurality of rear wheels connected to a running gear, a trailing arm comprising:

a first end portion which is pivotally supported on an upper portion of a supporting wall set up on the vehicle body of the running system at one end thereof;

a first hole portion, which is provided in a central portion of a trailing arm, for allowing a protruded hollow cylinder portion to pass through, and the protruded hollow cylinder portion provided on said vehicle body with a predetermined space from the supporting wall;

a spring portion which is set and applied between a screw portion provided on the top of the hollow cylinder portion and an end portion of the first hole portion; and

a second hole portion which opens in a horizontal

direction to the other end portion,

wherein said trailing arm allows an axle of the rear wheels to be passed through this second hole portion and said spring to absorb a shock transmitted from the axle of the rear wheels.

8. The running toy suspension system according to claim 7,

wherein in one end portion of the trailing arm, a bushing which is projected in a horizontal direction, on top of that, vertically and cylindrically to a traveling direction is formed, inserted into a U-shaped groove portion provided on upper portions of two supporting walls provided on the vehicle body, and pivotally supported.

9. The running toy suspension system according to any one of claims 7 to 8,

wherein the trailing arm is provided with the hole portion passing through in a vertical longitudinal direction in the middle thereof, the hole portion having the approximately same diameter as that of the hollow cylinder in a lower portion, and, in an upper portion, a larger diameter than that of the lower portion, and

wherein the lower portion opens and covers a vehicle body, whereas the upper portion opens in the other side of the vehicle body, and a stepped portion is provided

therebetween.

10. The running toy suspension system according to any one of claims 7 to 9,

wherein the spring is set between the stepped portion of the first hole portion and applying force of the spring is adjusted depending on how to tighten the screw to be fixed.

11. The running toy suspension system according to any one of claims 7 to 10,

wherein the trailing arms are disposed at both ends of a rear portion of the vehicle body, and a gearbox to change gears of the running gear is disposed between both the trailing arms.

12. The running toy suspension system according to any one of claims 7 to 11,

wherein the trailing arm is rotationally held between an axle cover extending from the gearbox, and the gearbox.